IAP12 Rec'd PCT/PTO 24 AUG 2006

SEQUENCE LISTING.txt SEQUENCE LISTING

<110>	THE	UNIVERSITY	OF MANCHES	TER			
	FREEMONT, ANTHONY						
	HOYLA	AND, JUDITH					
<120>	TREA	ATMENT OF SI	PINAL CONDI	TIONS			
<130>	PCB/	/P89569PWO					
<140>	PCT/	/GB05/000713	3				
<141>	2005	5-02-25					
<160>	1						
<170>	Pate	entIn versio	on 3.1				
<210>	1						
<211>	5733	3					
<212>	DNA						
<213>	Homo	sapiens					
<400>	1 tcaat	aatatacctt	attttggatt	gaagccaata	tgataatgag	aaaataaaat	60
				gcgggtgacg			120
				gcgacggatg			180
				ttttcgcgcg			240
				ccattttcgc			300
				tagcgcgtaa			360
				aggtgttttt			420
				tcagctgacg			480
						tccgagccgc	

SEQUENCE LISTING.txt

tccgacaccg	ggactcgagt		attattgact	agttattaat	agtaatcaat	600
tacggggtca	ttagttcata	gcccatatat	ggagttccgc	gttacataac	ttacggtaaa	660
tggcccgcct	ggctgaccgc	ccaacgaccc	ccgcccattg	acgtcaataa	tgacgtatgt	720
tcccatagta	acgccaatag	ggactttcca	ttgacgtcaa	tgggtggagt	atttacggta	780
aactgcccac	ttggcagtac	atcaagtgta	tcatatgcca	agtacgcccc	ctattgacgt	840
caatgacggt	aaatggcccg	cctggcatta	tgcccagtac	atgaccttat	gggactttcc	900
tacttggcag	tacatctacg	tattagtcat	cgctattacc	atggtgatgc	ggttttggca	960
gtacatcaat	gggcgtggat	agcggtttga	ctcacgggga	tttccaagtc	tccaccccat	1020
tgacgtcaat	gggagtttgt	tttggcacca	aaatcaacgg	gactttccaa	aatgtcgtaa	1080
caactccgcc	ccattgacgc	aaatgggcgg	taggcgtgta	cggtgggagg	tctatataag	1140
cagagctcgt	ttagtgaacc	gtaagcttga	tcttggtggc	gtgaaactcc	cgcacctctt	1200
cggccagcgc	cttgtagaag	cgcgtatggg	atctgactac	aaagacgatg	acgacaaggg	1260
atcctccgag	gactccgcgg	gctcgccctg	cccgtcgggc	tccggctcgg	acaccgagaa	1320
cacgcggccc	caggagaaca	cgttccccaa	gggcgagccc	gatctgaaga	aggagagcga	1380
ggaggacaag	ttccccgtgt	gcatccgcga	ggcggtcagc	caggtgctca	aaggctacga	1440
ctggacgctg	gtgcccatgc	cggtgcgcgt	caacggctcc	agcaagaaca	agccgcacgt	1500
caagcggccc	atgaacgcct	tcatggtgtg	ggcgcaggcg	gcgcgcagga	agctcgcgga	1560
ccagtacccg	cacttgcaca	acgccgagct	cagcaagacg	ctgggcaagc	tctggagact	1620
tctgaacgag	agcgagaagc	ggcccttcgt	ggaggaggcg	gagcggctgc	gcgtgcagca	1680
caagaaggac	cacccggatt	acaagtacca	gccgcggcgg	aggaagtcgg	tgaagaacgg	1740
gcaggcggag	gcagaggagg	ccacggagca	gacgcacatc	tccccaacg	ccatcttcaa	1800
ggcgctgcag	gccgactcaa	gcttgccaca	ctcctcctcc	ggcatgagcg	aggtgcactc	1860
ccccggcgag	cactcggggc	aatcccaggg	cccaccgacc	ccacccacca	ccccaaaac	1920
cgacgtgcag	ccgggcaagg	ctgacctgaa	gcgagagggg	cgccccttgc	cagagggggg	1980
cagacagccc	cctatcgact	tccgcgacgt	ggacatcggc	gagctgagca	gcgacgtcat	2040
ctccaacatc	gagaccttcg	atgtcaacga	gtttgaccag	tacctgccgc	ccaacggcca	2100
cccgggggtg	ccggccacgc	acggccaggt	cacctacacg	ggcagctacg	gcatcagcag	2160
caccgcggcc	accccggcga	gcgcgggcca	cgtgtggatg	tccaagcagc	aggcgccgcc	2220
gccacccccg	cagcagcccc	cacaggcccc	gccggccccg	caggcgcccc	cgcagccgca	2280
ggcggcgccc	ccacagcagc	cggcggcacc	cccgcagcag	ccacaggcgc	acacgctgac	2340
cacgctgagc	agcgagccgg	gccagtccca	gcgaacgcac	atcaagacgg	agcagctgag	2400
ccccagccac	tacagcgagc	agcagcagca	ctcgccccaa Page	cagatcgcct 2	acagcccctt	2460

SEQUENCE LISTING.txt

cactacagcc	cctcctaccc	gcccatcacc	cgctcacagt	acgactacac	2520
aactccagct	cctactacag	ccacgcggca	ggccagggca	ccggcctcta	2580
acctacatga	accccgctca	gcgccccatg	tacaccccca	tcgccgacac	2640
ccttccatcc	cgcagaccca	cagcccccag	cactgggaac	aacccgtcta	2700
actcgacctt	gagaattctt	tgtagaggtt	ttacttgctt	taaaaaacct	2760
cccctgaacc	tgaaacataa	aatgaatgca	attgttgttg	ttaacttgtt	2820
tataatggtt	acaaataaag	caatagcatc	acaaatttca	caaataaagc	2880
ctgcattcta	gttgtggttt	gtccaaactc	atcaatgtat	cttatcatgt	2940
gatccataac	ttcgtataat	gtatgctata	cgaagttatc	cagatctggt	3000
cacctaaatc	gtatgtgtat	gatacataag	gttatgtatt	aattgtagcc	3060
gacaatatgt	ccatagggcc	cctacgtcac	ccgccccgtt	cccacgcccc	3120
acaaactcca	cccctcatt	atcatattgg	cttcaatcca	aaataaggta	3180
gatggccgca	gcggcccctg	gcgtaatagc	gaagaggccc	gcaccgatcg	3240
cagttgcgca	gcctgaatgg	cgaatgggac	gcgccctgta	gcggcgcatt	3300
ggtgtggtgg	ttacgcgcag	cgtgaccgct	acacttgcca	gcgccctagc	3360
ttcgctttct	tcccttcctt	tctcgccacg	ttcgccggct	ttccccgtca	3420
cgggggctcc	ctttagggtt	ccgatttagt	gctttacggc	acctcgaccc	3480
gattagggtg	atggttcacg	tagtgggcca	tcgccctgat	agacggtttt	3540
acgttggagt	ccacgttctt	taatagtgga	ctcttgttcc	aaactggaac	3600
cctatctcgg	tctattcttt	tgatttataa	gggattttgc	cgatttcggc	3660
aaaaatgagc	tgatttaaca	aaaatttaac	gcgaatttta	acaaaatatt	3720
atttaggtgg	cacttttcgg	ggaaatgtgc	gcggaacccc	tatttgttta	3780
tacattcaaa	tatgtatccg	ctcatgagac	aataaccctg	ataaatgctt	3840
gaaaaaggaa	gagtatgagt	attcaacatt	tccgtgtcgc	ccttattccc	3900
cattttgcct	tcctgttttt	gctcacccag	aaacgctggt	gaaagtaaaa	3960
atcagttggg	tgcacgagtg	ggttacatcg	aactggatct	caacagcggt	4020
agagttttcg	ccccgaagaa	cgttttccaa	tgatgagcac	ttttaaagtt	4080
gcgcggtatt	atcccgtatt	gacgccgggc	aagagcaact	cggtcgccgc	4140
ctcagaatga	cttggttgag	tactcaccag	tcacagaaaa	gcatcttacg	4200
cagtaagaga	attatgcagt	gctgccataa	ccatgagtga	taacactgcg	4260
ttctgacaac	gatcggagga	ccgaaggagc	taaccgcttt	tttgcacaac	4320
	aactccagct acctacatga ccttccatcc actcgacctt cccctgaacc tataatggtt ctgcattcta gatccataac cacctaaatc gacaatatgt acaaactcca gatggccgca cagttgcgca ggtgtggtgg ttcgctttct cgggggctcc gattagggtg acgttggagt cctatctcgg aaaaatgagc atttaggtgg tacattcaaa gaaaaaggaa cattttgcct atcagttggg aggttttcg gcgcggtatt ctcagaatga cagtaagaga	aactccagct cctactacagg acctacatga accccgctca ccttccatcc cgcagaccca actcgacctt gagaattctt cccctgaacc tgaaacataa tataatggtt acaaataaag ctgcattcta gttgtggttt gatccataac ttcgtataa cacctaaatc gtatgtgtat gatggccgca gccggcccctg cagttgcgca gccggcccctg cagttgcgca gcctgaatgg ggtgtggtgg ttacgcgcag ttcgctttct tcccttcctt cgggggctcc ctttagggtt acgttggagt ccacgttct cctatctcgg tctattctt aaaaatgagc tgatttaaca atttaggtgg cacttttcgg tacattcaaa tatgtatcg gaaaaaggaa gagtatgagt cattttgct tcctgtttt atcagttggg tgccgaagtg cattttgct tcctgtttt atcagattgg ccccgaagaa aggttttcg cctggatt ctcagaatga cttggttgag cagtaa	aactccagct cctactacagg ccacgcgga accttacatga accccgctca gcgccccatg ccttccatcc cgcagaccca cagcccccag actcgacctt gagaattctt tgtagaggtt cccctgaacc tgaaacataa aatagcatc tataatggtt acaaataaag caatagcatc ctgcattcta gttgtggttt gtccaaact gatccataac ttcgtataat gatagctaa gacaatatgt ccatagggcc cctacgtcac gatggccgca gcggcccctg gcgtaatagg gatggccgca gcctgaatgg cgaatgggac cagttgcgca gcctgaatgg cgaatgggac cgggggctcc tctcctcctt tctcgccacg gattagggtg ttacgcgcag cggtttag cggggggctcc ctttagggtt tcgatttag cctatctcgg cctactcctt taatagtgga acgttggagt ccacgttctt taatagtgga cctatctcgg tctattctt tgatttaa acatttagggg cacttttcgg ggaaatgtgc tacattcaa tactgatagg ggttacactg	aactccagct cctactacag ccacgeggca ggccagggca acctacatga accccgctca gegccccatg tacaccccaa ccttccatcc ggcagaccca cagccccag cactgggaac actcgacctt gagaattctt tgtagaggtt ttacttgctt cccctgaacc tgaaacataa aatgaatgca attgttgtg tataatggtt acaacataag caatagcatc acaaattca gttgtgtgt gtccaaactc acaaatgtat gatccataac ttcgtataat gtatgctata ggaagttatc cacctaaatc gtatgtgtat gatcaataag gttatgtat gacaataag ccccataatc gtatgtgtat gatcaataag gttatgtat gacaatatgt ccataagggcc cctacgtcac ccgcccgtt acaaactcca gcggcccctg gcgaatgggac gcgccccggtaagggggggggg	cactacagce cetectacce geceateace egeteacage acgaetacae aactecage cetacacage cacageggea gecagggea ceggecteta accetacatga accecgetta gegececatg tacaceccea tegecgacae cettecatec gegaatecta tegtagagget tractigett tacateggeace accetggaace tegacatec gaaatacat acaaatacae attgatggtt tractigett tacatagget acaaatagge attgatggtt acaaataaage cacaaatteca gaagtatec accataaace gratgggat gatacataa gatacataa gatatgtatt acaataggace accetaaace gacaataggace cetacgtaca cegaceccg acaaacteca accaaatteca gacaataggace cetacgtaca cegaceccg acaaacteca accactacaa getagggace gegacaataggace gegeecetga gegagggece gacacgateggace gegeecetga geggeecatagggace gegeecetga geggeecatagggace gegeecetga geggeecatagggggggggggggggggggggggggggggg

SEQUENCE LISTING.txt

atgtaactcg	ccttgatcgt	tgggaaccgg	agctgaatga	agccatacca	4380
gtgacaccac	gatgcctgta	gcaatggcaa	caacgttgcg	caaactatta	4440
tacttactct	agcttcccgg	caacaattaa	tagactggat	ggaggcggat	4500
gaccacttct	gcgctcggcc	cttccggctg	gctggtttat	tgctgataaa	4560
gtgagcgtgg	gtctcgcggt	atcattgcag	cactggggcc	agatggtaag	4620
tcgtagttat	ctacacgacg	gggagtcagg	caactatgga	tgaacgaaat	4680
ctgagatagg	tgcctcactg	attaagcatt	ggtaactgtc	agaccaagtt	4740
tactttagat	tgatttaaaa	cttcattttt	aatttaaaag	gatctaggtg	4800
ttgataatct	catgaccaaa	atcccttaac	gtgagttttc	gttccactga	4860
ccgtagaaaa	gatcaaagga	tcttcttgag	atccttttt	tctgcgcgta	4920
tgcaaacaaa	aaaaccaccg	ctaccagcgg	tggtttgttt	gccggatcaa	4980
ctctttttcc	gaaggtaact	ggcttcagca	gagcgcagat	accaaatact	5040
tgtagccgta	gttaggccac	cacttcaaga	actctgtagc	accgcctaca	5100
tgctaatcct	gttaccagtg	gctgctgcca	gtggcgataa	gtcgtgtctt	5160
actcaagacg	atagttaccg	gataaggcgc	agcggtcggg	ctgaacgggg	5220
cacagcccag	cttggagcga	acgacctaca	ccgaactgag	atacctacag	5280
gagaaagcgc	cacgcttccc	gaagggagaa	aggcggacag	gtatccggta	5340
tcggaacagg	agagcgcacg	agggagcttc	cagggggaaa	cgcctggtat	5400
ctgtcgggtt	tcgccacctc	tgacttgagc	gtcgattttt	gtgatgctcg	5460
ggagcctatg	gaaaaacgcc	agcaacgcgg	cctttttacg	gttcctggcc ·	5520
cttttgctca	catgttcttt	cctgcgttat	cccctgattc	tgtggataac	5580
cctttgagtg	agctgatacc	gctcgccgca	gccgaacgac	cgagcgcagc	5640
gcgaggaagc	ggaagagcgc	ccaatacgca	aaccgcctct	cccgcgcgt	5700
attaatgcag	gggccgctgc	ggc			5733
	gtgacaccac tacttactct gaccacttct gtgagcgtgg tcgtagttat ctgagatagg tactttagat ttgataatct ccgtagaaaa tgcaaacaaa ctcttttcc tgtagccgta tgctaatcct actcaagacg cacagcccag gagaaagcgc tcggaacagg ctgtcgggtt ggagcctatg cttttgctca cctttgagtg gcgaggaagc	gtgacaccac gatgcctgta tacttactct agcttcccgg gaccacttct gcgctcggcc gtgagcgtgg gtctcgcggt tcgtagttat ctacacgacg ctgagatagg tgcctcactg tactttagat tgatttaaaa ttgataatct catgaccaaa ccgtagaaaa gatcaaagga tgcaaacaaa aaaaccaccg ctcttttcc gaaggtaact tgtagccgta gttaggccac tgctaatcct gttaccagtg actcaagacg atagttaccg cacagcccag cttggagcga gagaaagcgc cacgcttccc tcggaacagg agagcgcacg ctgtcgggtt tcgccacctc ggagcctatg gaaaaacgcc cttttgctca catgttcttt cctttgagtg agctgatacc gcgaggaagc ggaagagcgc	gtgacaccac gatgcctgta gcaatggcaa tacttactct agcttcccgg caacaattaa gaccacttct gcgctcggcc cttccggctg gtgagcgtgg gtctcgcggt atcattgcag tcgtagtat ctacacgacg gggagtcagg ctgagatagg tgcctcactg attaagcatt tacttagat tgattaaaa cttcatttt ttgataatct catgaccaaa atcccttaac ccgtagaaaa gatcaaagga tcttctgag tgcaaacaaa aaaaccaccg ctaccagcgg ctcttttcc gaaggtaact ggcttcagca tgtagccgta gttaggccac cacttcaaga tgctaatcct gttaccagtg gctgctgca actcaagacg atagttaccg gataaggcgc cacagcccag cttggagcga acgacctaca gagaaagcgc caccgcttccc gaagggagaa tcggaacagg agagcctac ggagcctatg gaaaaacgcc agcaacgcgg cttttgctca catgttctt cctgcgttat cctttgagt agctgatacc gctcgcga	gtgacaccac gatgcctgta gcaatggcaa caacgttgcg tacttactct agcttcccgg caacaattaa tagactggat gaccacttct gcgctcggcc cttccggctg gctggttat gtgagcgtgg gtctcgcggt atcattgcag cactggggcc tcgtagttat ctacacgacg gggagtcagg caactatgga ctgagatagg tgcctcactg attaagcatt ggtaactgtc tactttagat tgattaaaa cttcatttt aattaaaag ttgataatct catgaccaaa atcccttaac gtgagtttc ccgtagaaaa gatcaaagga tcttcttgag atcctttt tgcaaacaaa aaaaccaccg ctaccagcgg tggtttgtt ctcttttcc gaaggtaact ggcttcagca gagcgcagat tgtagccgta gttaggccac cacttcaaga actctgtagc tgctaatcct gttaccagtg gctgctgcca gtggcgataa actcaagacg atagttaccg gataaggcgc agcggcagga tcggaaagcgc cacgcccag cttggagcga acgacctaca ccgaactgag gagaaagcgc cacgctccc gaagggagaa aggcggacag tcggagcaag agagcgcacg aggagcttc cagggggaaa ctggcgggt tcggcggt tcgcgggt tcgcgggt tcgcgggt tcgcgggt tcgcgggt tcgcgggt tcgcgggt tcgcgggt tcgcggggt tcgcgggt tcgcgggt tcgcggggt tcgcggggt tcgcgggt tcgcgggt tcgcggggt tcgcgggggacag gaggcctatg gaaaaacgcc agcaacgcgg ccttttacg cttttgctca catgttcttt cctgcgttat cccctgattc cctttgagtg agctgatacc gccgaacgac acccttcgggggaaagcgcgggagaag ggcgaaggcgcgcag gccgaacgac gccgaacgac gcgaaggaag	atgtaactcg ccttgatcgt tgggaaccgg agctgaatga agccatacca gtgacaccac gatgcctgta gcaatggcaa caacgttgcg caaactatta tacttactct agcttcccgg caacaattaa tagactggat ggaggcggat gaccacttct gcgctcggcc cttccggctg gctggttat tgctgataaa gtgaggctgg gtctcgcggt atcattgcag cactggggcc agatggtaag tcgtagttat ctacacgacg gggagtcagg caactatgga tgaacgaaat ctgaggatagg tgcctcactg attaagcatt ggtaactgtc agaccaagtt tactttagat tgatttaaaa cttcatttt aatttaaaag gatctaggtg ttgataatct catgaccaaa atcccttaac gtgagtttc gttccactga ccgtagaaaaa gatcaaagga tcttcttgag atccttttt tctgcgcgta tgcaaacaaa aaaaccaccg ctaccagcgg tggtttgtt gccggatcaa ctctttttcc gaaggtaact ggcttcagca gaggcgagat accaaatact tgtagccgta gttaggccac cacttcaaga actctgtagc accgcctaca tgctaatcct gttaccagtg gctgctgca gtggcgagat accaaatact tgtagccga gtaggcaga acgacctaca gagaaagcgc cacgcttccc gaagggagaa aggcggaaa gtacctacag gagaaagcgc cacgcttccc gaagggagaa aggcggaaa gtacctacag gagaaagcgc cacgcttccc gaagggagaa aggcggaaa cgcctggga tcggaacagg gaagaagcgc cacgcttccc gaagggagaa aggcggaaa cgcctggtat ctgccaggt tcgccacctc tgacttgagc gtcgatttt gtgatgctcg ggagcctatg gaaaaacgcc agcaacgcgg cctttttaccg gttcctggcc cttttgctca catgttctt cctgcgttat cccctgatct tgtggataac cctttgggt agctgatacc gccgaacgac cagagcagc gcagagaagc gcagagaagc ggaagagcg gcagaagac ccttttggtg agctgatacc gcccgcaacgac gccgaacgac cgaggcagc gcagagaagcgc ccttttggtg agctgatacc gcccacatacgca aaccgcctc cccccgcgcg gccgaaggacg ggaagagcg gcagagaagcgc ggaagagacg ggaagagcgc ccaatacgca aaccgccctc ccccgcgcgt acctttggagc ggaagagcc ccaatacgca agccgcaacaaccccaacccccaacccccaaccccaaccccaacccc